

STRUCTURE SECTIONS

U. S. GEOLOGICAL SURVEY
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COLORADO
NEEDLE MOUNTAINS
QUADRANGLE

LEGEND

SHEET SYMBOL	SECTION SYMBOL
	Rock streams (loose rock and soil having the appear- ance of talus; occupies the floors of cirques)
Landslides (a confused mixture of soil and large and small blocks of rock from cliffs and slopes above)	
SEDIMENTARY ROCKS	
Alluvium (torrential fans and stream gravels)	
Moraines (glacial gravels, un- stratified, in mounds and ridges)	
Telluride conglomerate (pebbles and boulders of schist, quartzite, and limestone)	
UNCONFORMITY	
Cutler formation sandstone, grit, conglomerate, and some calcareous shale; prevailing color red)	
Rico formation sandstone, limestone, and shale, or red or gray color; fossiliferous)	
Hermosa formation (sandstone, shale, and limestone, of grayish color; fossiliferous)	
Molas formation (red calcareous shale containing limestone and chert nodules; fossiliferous)	
UNCONFORMITY	
Ouray limestone (white or light pink, saccularoidal limestone, with a few quartzite layers; fossiliferous)	
Elbert formation (thin-bedded, colorless and some shale, buff and yellow, with pseudo- morphs of salt crystals; fossiliferous)	
UNCONFORMITY	
Ignacio quartzite thin-bedded, gray or pink, wavy quartzite, with trail markings on shaly partings)	
UNCONFORMITY	
Uncompahgre formation massive to thin-bedded, light to dark quartzite, locally carbonaceous, with dark shale, slate, and argillite, Aus)	
Vallecito conglomerate lower part consists largely of greenstone schist pebbles; upper part contains pebbles of quartzite, jasper, hematite, and magnetite)	
ALGONKIAN	
METAMORPHIC ROCKS OF UNKNOWN ORIGIN	
Schist and gneiss (quartz-mica-schist and amphibolite with some granite-gneiss)	
IGNEOUS ROCKS	
Intrusive rhyolite (an irregular, cross- cutting body)	
Quartz-latite (flows and tuffs)	
Andesite (mainly in flows)	
San Juan tuff (blue to gray andesitic tuff and breccia)	
Granite- porphyry (dikes, crosscutting bodies, and laccolithic forms)	
ARCHEAN	

*Legend is continued
on the left margin.*